

**Government of India
Ministry of Railways
Research, Designs & Standards Organisation
Manak Nagar, Lucknow - 226 011**

Ref : EL/3.1.3/E7
1997

Dated : May,

Modification Sheet No. RDSO/WAM4/45

1. **Title of modification**
Modified catch assembly for CGR arc chute
2. **Application to class of loco**
WAM4 locomotives
3. **Object of modification**
The existing CGR arc chute catch assembly, which holds the arch chute plate on to its supports, slips off from the clamp due to vibrations, resulting in the arc chute plate falling off. In order to overcome this problem, it is proposed to braze two lugs (item 5) at the end tips of the existing clamps fixed on the arc chute plates as shown in the drawing.
4. **Modification drawing No.**
RDSO SK EL 2661
5. **Agency for modification**
i) Railways - all existing locomotives.
ii) Chittaranjan Locomotive works - locomotives under production.
6. (a) **Material required and specification**
As per RDSO Drg. No. SK EL 2661
(b) **Material rendered surplus**
Nil.
7. **Work to be carried out**
Remove the existing clamp from the arc chute plate. Cut a V-shaped groove as shown in the drawing to accept the modified catch. The passivated zinc coating on the clamp (item 4) should be cleaned and two stop lugs should be brazed at the ends after proper matching as per item 5 of the drawing. The holding catch (item 2) should also be modified as per drawing to match the groove in the clamp.
8. **References**
RDSO investigations.
9. **Distribution**
Secretary (Elec. Traction), Railway Board, New Delhi.

General Manager (Electrical)
Central Railway, Bombay VT
Eastern Railway, Fairlie Place, Calcutta

Northern Railway, Baroda House, New Delhi.
South Eastern Railway, Garden Reach, Calcutta
Western Railway, Churchgate, Bombay
Chittaranjan Locomotive Works, Chittaranjan.

Superintendent (Workshop)
Eastern Railway, Kancharapara.

Dy. Chief Elec. Engineer
Central Railway, PCH shop, Bhusaval
Eastern Railway, Kancharapara
Design, CLW, Chittaranjan.

Sr. Divisional Elec Engineer (TRS)
Central Railway, Kalyan Eastern Railway, Asansol/Mughalsarai
Northern Railway, Kanpur
South Eastern Railway, Tatanagar/Bhilai.

Divisional Elec. Engineer (TRS)
Central Railway, Bhusaval
Northern Railway, Ghaziabad
Western Railway, Vadodara

Dy. Director Inspection (Elec)/RDSO
C/o Chittaranjan Locomotive Works, Chittaranjan.

(B. S. SIDHU)

for Director General (Elec.)

